

COE Bar Code Laptop Program Procedures (DOS)

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1. General

- 1.1 Purpose** This practice provides standard procedural guidelines for the use of the Bar Code Laptop Program in the Central Office Equipment (COE) environment.
- 1.2 Filing Instructions and Supersedures** Discard all previous issues and associated addenda of this practice and file this issue numerically in your GTE Telephone Operations practices set.
- This practice supersedes and cancels:
- All policies, procedures, general instructions, letters, and memoranda which address this subject.
 - Any document which provides information contrary to the information contained in this practice.
- 1.3 Reason for Reissuing** This practice has been reissued to incorporate multiple changes in the content. Read this entire practice to ensure your familiarity with the new information.
- 1.4 Responsibility** This practice was written by the Planning and Engineering Systems Support Staff in GTE Telephone Operations and published by the GTE Telephone Operations Enterprise Services Department. For more information about this practice, contact the Headquarters Planning and Engineering Systems Support Department.
- 1.5 Disclaimer** This practice was prepared solely for the use of GTE Telephone Operations. It must be used only by its employees, customers, and end users when installing, operating, maintaining, and repairing GTE Telephone Operations' equipment, facilities, and services. Any other use of this practice is forbidden. The information contained in this practice may not be applicable in all circumstances and is subject to change without notice. By using this practice, the user agrees that GTE Telephone Operations will have no liability (to the extent permitted by applicable law) for any consequential, incidental, special, or punitive damages that may result.

2. Overview

2.1 Use

The bar coding procedures contained in this practice are used in, but not limited to, bar coding the following projects:

- New Central Offices (COs).
- Equipment retirements.
- Major equipment additions.
- Large transmission projects, including pair gain.
- Other Projects involving large volumes of Trakker® data.

The Bar Code Laptop Program is intended for use where large volumes of Trakker data is collected and the user wants to collect and review all the data for the project before uploading it to the Central Office Equipment Property (COEP)/Central Office Equipment Model (COEMOD) database.

2.2 Objectives

A thorough understanding in the use of the bar code equipment and programs is required to effectively execute the CO bar code application. The integrity of the COEP/COEMOD database for inventory control depends largely upon the quality and thoroughness of bar coding.

2.3 Definitions

The following chart defines the acronyms used in this practice.

Acronym	Definition
ASCII	American Standard for Computer Information Interchange
CO	Central Office
COE	Central Office Equipment
COEMOD	Central Office Equipment Model
COEP	Central Office Equipment Property
Ctrl	Control
Del	Delete
Esc	Escape
ICP	Inventory Control Point
ID	Identification
PC	Personal Computer

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2. Overview, continued

2.4 References

The following chart provides sources of supplementary information relating to this practice. The documents could be required for performing certain tasks.

See...	For Information About...
Practice 007-005-015	Handling Static-Sensitive Materials
Practice 007-220-001	COE Bar Code Methods and Procedures
Practice 007-220-002	COE Bar Code Equipment Movement Tracking Procedures

2.5 Contact List

The following chart provides the telephone numbers for the Bar Code Help Desks.

Region...	Telephone Number...
California Region	760-245-0625
Florida Region	813-483-2494
Hawaii Region	808-546-2512
Midwest Region	614-383-0666
North Region	614-383-0666
Northeast Region	614-383-0666
Northwest Region	206-261-6367
South Region	919-317-5884
Texas/New Mexico Region	972-717-2296
Virginia Region	919-317-5884

3. Laptop Tracking Program

3.1 Main Menu

Start the Tracking Database Program from DOS (or a DOS menu shell) by typing **Trak6** and pressing **<Enter>** (see Section 4 for program installation instructions). The *Main Menu* for the program appears below.

```
GTE EQUIPMENT TRACKING SYSTEM - Main Menu                                Version 6.0

Instructions:  Select function from menu.

1. Receive Transactions
2. Browse/Edit Transactions
3. validate Transactions
4. Report Transactions
5. Export Transactions
6. upload Export Files
7. Purge Transactions
8. System
9. Exit

Select: █
```

Select the desired option by keying the appropriate number and pressing **<Enter>** (see Section 4 for program installation notes).

3.2 Receive Transactions

This option is used to accept files from Trakkers. There are two basic modes available:

- Direct connect (via cable).
- Remote access (via modem).

3. Laptop Tracking Program, continued

3.2 Receive Transactions, continued

To begin the process of accepting files from Trakkers, whether remote or directly connected, type **<1>** and press **<Enter>** at the Main Menu. The Receive Transactions screen appears as follows.

GTE EQUIPMENT TRACKING SYSTEM - Receive Transactions

```
Instructions: Select direct connect or remote access

1. Direct Connect
2. Remote Access - 1200
3. Remote Access - 2400
4. Remote Access - 9600
5. Exit

Select: █
```

3.2.1 Direct Connect

Choose option **1** (Direct Connect) if the Trakker is connected to the PC by cable. The following screen displays.

GTE EQUIPMENT TRACKING SYSTEM - Receive File Directly

```
Instructions: Connect TRAKKER to computer.
Type enter when ready. Then choose UPLOAD on TRAKKER.
Escape to cancel.

Status: Waiting on user
Batch: 1
```

Connect the Trakker to the PC with the Trakker to PC Serial Cable (Part Number HSC232TPC, Item ID - 316527) and press **<Enter>**. This configures the PC program to receive a file. All additional actions are taken on the Trakker (refer to GTE Telephone Operations Practice 007-220-002). When the file has transferred and been loaded into the database, the program automatically reconfigures itself to receive another file. When finished, press **<Esc>** to return to the Main Menu.

3. Laptop Tracking Program, continued

3.2.2 Remote Access

Choose Option 2 (Remote Access) if the Trakker to be uploaded is located remotely (connected via modem). Determine the baud rate at which the Trakker is transmitting. Select choice 2, 3, or 4 (depending on the Trakker incoming baud rate), then press **<Enter>**. The following screen displays.

```
GTE EQUIPMENT TRACKING SYSTEM - Receive Remote File

Instructions: connect computer to modem, then turn on modem.
Type enter when ready. Escape to cancel.

Status: Waiting on user
Batch: 1
```

The PC's communications port is the same as used in uploading. Ensure the modem is connected to the PC (if the modem is not internal), and press **<Enter>**. The transmission takes place. When the file has transferred, the program automatically reconfigures itself for another transmission. Press **<Esc>** to return to the *Main Menu*.

NOTE: Coordination with the Trakker user is required in this process. Baud rates must be set the same on both ends, and the PC must be ready to receive before the Trakker dials in.

3. Laptop Tracking Program, continued

3.3 Browse/ Edit Transactions

This option browses or edits records received from the Trakkers. From the *Main Menu*, choose this option by pressing <2> (Browse/Edit), then <Enter>. The following screen displays.

Esc=Return to Main Menu									
F4=Select		F5=Replace		Del=Delete		Alt-Del=Delete All		F10=Clear	Filter
Rec #	BATCH	OP ID	TRAN	COMP	PLNT	SPLT	BAY	SHELF	
2	2	BRH	S	9NE	4500	222	BAY2345-67	23A	
1	2	SSL	S	9NE	4500	222	BAY2345-67	23A	

Records Selected:
<<FILTER>> BATCH == "2 "

Please note that the screen above (and the one on the following page) show the result of specifying a record selection criteria (see Section 3.3.1). This is visible because of the *F10* key designation at the top right of the screen, the Records Selected, and FILTER information at the bottom of the screen. When the screen first appears after selecting it from the *Main Menu*, these items do not apply and do not appear on the screen.

3. Laptop Tracking Program, continued

**3.3
Browse/
Edit
Transactions,
continued**

By scrolling right (using the right arrow key), additional fields are accessed. Scrolling left (using the left arrow key), accesses fields to the left (see below for additional information on navigation of the screen). For example, from an initial cursor position in the batch column, scrolling right 15 fields displays the following fields on the screen.

Esc=Return to Main Menu					
F4=Select	FS=Replace	Del=Delete	Alt-Del=Delete	All	F10=Clear Filte
Rec #	BSN	OLD_BSN	WORK_ORD	ERO_NUM	SWAP_ID
2	88888888				SWAP1234
1	88888888				SWAP1234

Records Selected: 2

<FILTER> BATCH == "2"

The following chart provides the keystrokes necessary to navigate the browse window.

Keystrokes	Function
Down Arrow	Down one record
Page Down	Down one screen
Ctrl+Page Down	Bottom of file
Up Arrow	Up one record
Page Up	Up one screen
Ctrl+Page Up	Top of file
Right Arrow	Right one field
End	To far right field on screen
Ctrl+Right Arrow	Cursor stationary, screen scrolls right

(continued)

3. Laptop Tracking Program, continued

**3.3
Browse/
Edit
Transactions,
continued**

Keystrokes	Function
Ctrl+End	Cursor to last field in record
Left Arrow	Left one field
Home	To far left field on screen
Ctrl+Left Arrow	Cursor stationary, screen scrolls left
Ctrl+Home	Cursor to first field in record
Enter	Begin or end data entry in field
Esc	Exit to main menu
Del	Delete current record
Alt+Del	Delete all records (in current selection)
F4	Global selection screen
F5	Global replacement screen
F10	Remove filter (set by F4)

The following chart defines the screen column abbreviations.

Screen Abbreviation	Field Name	Field Length
Rec #	Record Number*	Variable
BATCH	Batch ID	3
OP_ID	Operator ID	3
TRAN	Transaction Type Code	1
COMP	Company Code	3
PLNT	Plant Code	4
SPLT	SubPlant Code	3
BAY	Bay	12
SHELF	Shelf	5
SLOT	Slot	4
PART_NUM	Part Number	18
ISSUE	Issue Number	9
BSN	Serial Number	12
OLD_BSN	Old Serial Number	12

(continued)

3. Laptop Tracking Program, continued

3.3
Browse/
Edit
Transactions,
continued

Screen Abbreviation	Field Name	Field Length
ERO_NUM	Repair Order Number	8
SWAP-ID	Swap ID Number	8
REUSE	To Supply (Y/N)	1
DEFECT	Card Defective (Y/N)	1
WORK_ORD	Work Order Number	7
BOX_NO	Shipping Box Label Number	8
BUD_CTR	Budget Center	4
TROUBLE	Trouble Indicator	4
ICP_ID	ICP Identifier	3
TRAN_DT	Date of Transaction	10
TRAN_TIM	Time of Transaction	5
EDIT_CD	Edit Code	1
EXP_CD	Export Code	1

* The record number is not part of the tracking data. It is for internal database use only.

NOTE: For a list of transaction types refer to the table in Exhibit 2.

3.3.1
Selection
Criteria

A subset of the file can be selected for editing. Select records by first pressing <F4> (Select) on the Browse/Edit screen. The following screen displays.

```
GTE EQUIPMENT TRACKING SYSTEM - Selection Criteria

Enter Selection values:

Batch ID          work Order #
operator ID       ERO #
Trans Type       Swap ID #
company          To Supply?
Plant            Defective?
SubPlant         box Number
Bay              Budget Center
Shelf            Trouble
Slot             ICP Identifier
Part Number      Transaction Date
Part Issue       Transaction Time
Serial Number    Edit Code
old Serial Number Export Code

Esc=Cancel  Ctrl-W=Accept
```

3. Laptop Tracking Program, continued

3.3.1 Selection Criteria, continued

Supply the values (in the appropriate field location) on which the selection is based, followed by pressing **<Ctrl+W>**. The Browse screen reappears with only the selected records available. The number of records found is indicated.

There are two major ways to edit data. To change a few random field values, do so directly on the Browse screen. The changes are permanently made as soon as the cursor is advanced to another field.

3.3.2 Global Replacement

To make global changes, follow the instructions given above to select a file subset (not required if the intention is to change every record in the database). Press **<F5>** to display the global Replace screen:

```
GTE EQUIPMENT TRACKING SYSTEM - Replace

Instructions: Enter Replacement Values.

Batch ID          Work Order #
Operator ID       ERG #
Trans Type       Swap ID #
Company          To Supply?
Plant            Defective?
SubPlant         Box Number
Bay              Budget Center
shelf            Trouble
Slot             ICP Identifier
Part Number      Transaction Date
Part Issue       Transaction Time
Serial Number    Edit Code
Old Serial Number Export Code

Type a backslash (\) in the first position of a field to blank it out.
ESC=Cancel  Ctrl-W=Accept
```

Key the new values into the fields to be changed. Press **<Ctrl+W>** to process. Confirmation is required to complete the global change. Once the changes are made, the Browse screen is refreshed. If any fields used for the original selection are replaced, the Browse screen might no longer be populated (there might not be any records meeting the original selection criteria). If so, just press **<F10>** to remove the filter.

NOTE: The screen above indicates that a backslash is used to blank out a field. The backslash is “\” not “/”.

3. Laptop Tracking Program, continued

3.4 Validate Transactions

Choose Option 3 (Validate Transactions) on the *Main Menu* to validate the database. Select this option at any time, either after accepting each batch, after all batches are in the database, or both. The validation process checks for required data, duplicate serial number occurrences, and duplicate location occurrences. These reports are only a guide to possible problems. The Transaction Validation screen appears as follows.

```
GTE EQUIPMENT TRACKING SYSTEM - Transaction Validation

Instructions: READY PRINTER.  Select Batch ID or Plant & Subplant

Batch ID █
or
Plant   █
SubPlant █

These reports are intended to point out POTENTIAL problems.  They
do not necessarily mean a record is in error.  It is valid to have
more than one record for a given location or serial number, if the
records are created for different activities or at different times.
The missing data report only checks for the most basic data fields.

Esc=Cancel  Ctrl-W=Accept
```

Specify which records to validate based on batch number or Plant/SubPlant. Key in the appropriate values and press **<Ctrl+W>** to begin the process.

NOTE: Ensure that the appropriate printer setup has been selected before running validation (see Section 3.9.5). Normally a printer is connected to the PC for report purposes. If a printer is not available, validation prints its output to the file displayed on the screen. The file is located in the same directory as the Laptop Program. Only the current output is saved (each successive validation output file overwrites the previous one).

The validation program prints out all problems found, providing a working document with which to double check the equipment located in the bays. Regardless of how often validation is run during data collection, it should be run before exporting data for upload. If errors are present, use the Browse/Edit screens to correct or delete the records. After making corrections, run validation again to ensure that all errors are cleared. Multiple records for a given serial number or location might exist as long as they do not provide conflicting information. As an example, a piece of equipment can be installed, moved and audited all in a short span of time. After a clean validation the following message appears at the bottom of the screen: **NO ERRORS FOUND -NICE JOB!**

3. Laptop Tracking Program, continued

3.5 Report Transactions

Select Option 4 (Report Transactions) on the *Main Menu* to generate reports. Selection and sort options are available. The Transaction Report screen displays.

```
GTE EQUIPMENT TRACKING SYSTEM - Transaction Report

Instructions: Furnish Criteria If Applicable

Ready to print? (Y/N) █

Selection Criteria:      Sort Criteria:      Records Read:      Page:

Esc=Cancel  Ctrl-W=Accept  F4=Select  F5=Sort
```

3.5.1 Selection Criteria

To return to the *Main Menu* type **<N>** and press **<Enter>**. To print **all** records in the database type **<Y>** and press **<Enter>**. To select a subset of records to print, press **<F4>**. The following screen displays.

```
GTE EQUIPMENT TRACKING SYSTEM - Selection Criteria

Enter Selection Values:

Batch ID      █      Work Order #      █
Operator ID   █      ERO #             █
Trans Type    █      Swap ID #         █
company       █      To Supply?        █
Plant         █      Defective?        █
SubPlant      █      Box Number        █
Bay           █      Budget Center     █
Shelf         █      Trouble           █
Slot          █      ICP Identifier    █
Part Number   █      Transaction Date  █
Part Issue    █      Transaction Time  █
serial Number █      Edit code         █
Old Serial Number █      Export Code       █

Esc=Cancel  Ctrl-W=Accept
```

Key in the field data upon which the selection is based. Press **<Ctrl+W>** to start the selection process. The Transaction Report screen reappears.

3. Laptop Tracking Program, continued

3.5.2

Sort Criteria

To sort the selected records press <F5>. The following screen displays.

```
GTE EQUIPMENT TRACKING SYSTEM - Sort Criteria

Instructions:  Select sort fields in major to minor order.

  1. Batch Id                               Sort Fields: 1) 0
  2. Operator ID                             2) 0
  3. Transaction Type                         3) 0
  4. company Code                            14. Work order
  5. Plant Code                               15. ERO Number
  6. SubPlant Code                           16. SWAP ID Number
  7. Bay                                     17. To Supply
  8. Shelf                                    18. Defective
  9. Slot                                    19. BOX Number
 10. Part Number                             20. Budget Center
 11. Part Issue                              21. Trouble
 12. Serial Number                           22. ICP Identifier
 13. Old Serial Number                       23. Date

Esc=Cancel  Ctrl-W=Accept
```

Up to three sort orders can be specified. For example, to sort first by part number, then by bay, then by shelf, key:

- **10** in Sort Field 1.
- **7** in Sort Field 2.
- **8** in Sort Field 3.

A custom report can be created.

Press <Ctrl+W> to process the sort. When the sorting is done, the Transaction Report screen displays. Key <Y> and press <Enter> to print the report. Ensure that the printer is on-line before processing, or an error message appears. If this occurs, correct the problem and proceed as directed.

NOTE: Be sure to select the appropriate printer setup before running reports (see Section 3.9.5).

3. Laptop Tracking Program, continued

3.6 Export Transactions

Periodically (determined operationally) the transactions must be transmitted to COEP/COEMOD. Before transmission, a standard ASCII export file must be created. Select Option 5 (Export Transactions) on the *Main Menu*. The following screen displays.

```
GTE EQUIPMENT TRACKING SYSTEM - Export Data

Instructions: To export records from file, select Plant
and optional Subplant, or Work Order Number.

Plant      █
SubPlant   █
Work Order █

PLNT == "4321" .and. SPLT == "111"
No Records Meet the Specified Criteria!
Press a key to continue...
Use '*' to specify all Plants, SubPlants, or Work Orders;
leave blank to indicate empty field(s).

Esc=Cancel  Ctrl-W=Accept
```

Data may be exported in three different ways:

- All data.
- Plant and (optional) subplant.
- Work order and (optional) plant/subplant.

Key in the *plant code/subplant code* and/or *work order number* to be exported. If an asterisk (*) is used in the *plant* field (without a work order specification), **all** data is exported. Press **<Ctrl+M>** to create the export file. Note that if no records meet the specified criteria, a warning shows on the screen. Otherwise, the number of records that meet the specified criteria is indicated. Confirmation to begin the process is required. Confirmation is also required to flag these records as exported. Records must be flagged as exported to allow purging later.

The export file name consists of the following elements: plant code or **WRK** or **ALL**; plus date, and time.

A typical plant code based export file name might look like this: 22151315.394

- First four digits are the plant code.
- Fifth and sixth digits are the day the file is exported.
- Seventh and eighth digits are the hour the file is exported.
- Ninth and tenth digit is the minute the file is exported.
- Eleventh digit is the first seconds digit.

3. Laptop Tracking Program, continued

3.6 Export Transactions, continued

A typical work order based export file name might look like this: WRK1315.394

- **WRK** indicates a work order.
- Remainder of file name is as described above.

A typical file name for an entire database export might look like this: ALL1315.394

- **ALL** indicates a total file export.
- Remainder of file name is as described above.

Return to the *Main Menu* by pressing **<Esc>**.

3.7 Upload Export Files

Select Option **6** (Upload Export Files) on the *Main Menu* to start the export file upload process. Available files (exported files in the \trak6\export subdirectory) are listed in the bottom half of the screen. Export files can be copied manually to floppy disk (or tape if available) at the DOS prompt if desired (before or after upload). Eventually, (after upload) old export files should be erased from the \trak6\export subdirectory to save hard drive space. The Upload Files screen displays.

```
Enter COM Port (1,2,3 or 4)           -> 2
Enter Baud Rate (1200,2400,9600,14400,19200,28800) -> 2400
Enter Phone Number                   -> 19991234567
Enter File Name                       ->
Enter System ID                       ->
Enter Password
Available Files: 43212110.080

Esc=Cancel
```

NOTE: The System ID and Password allows access to the host computer system. This information is available from the Bar Code Help Desk {see Section 2.5}.

3. Laptop Tracking Program, continued

3.8 Purge Transactions

Perform this step only after the export file has been successfully uploaded to COEP/COEMOD. Failure to purge exported records from the database results in the data file growing too large. This database growth significantly slows down the program and fills the hard drive. Select Option 7 (Purge Transactions) from the *Main Menu* to display the following screen.

```
GTE EQUIPMENT TRACKING SYSTEM - Transaction Purge

Instructions: To remove exported records from file, select Plant,
and optional Subplant, or Work Order Number.

Plant      4500
SubPlant   222

Work Order

PLNT == "4500" .and. SPLT == "222" .and. EXP_CD == "Y"
Number of Records Meeting Specified Criteria:      2

Use  '*' to specify all Plants, SubPlants, or Work Orders;
leave blank to indicate empty field(s) .

Esc=Cancel  Ctrl-W=Accept

Confirm Purge:  (Y/N)  Y
```

Key in the *plant code/subplant code* or *work order number* to be purged. Press **<Ctrl+W>** to purge the records. Confirmation to begin the process is required.

NOTE: Only records flagged as exported can be purged.

NOTE: Do not purge records until their export file has been uploaded. A new export file might be created if the original is lost, only if the records remain in the database.

Return to the *Main Menu* by pressing **<Esc>**.

3. Laptop Tracking Program, continued

3.9 System Menu

Option 8 (System Menu) on the Main Menu is used to accomplish specific database utilities. It appears as follows.

```
GTE EQUIPMENT TRACKING SYSTEM - System Maintenance Menu

Instructions: Select function from menu.

1. Change Batch Number
2. Reorganize Files
3. Import Data
4. Archive Data
5. Select Printer
6. Exit

Select: █
```

3.9.1 Change Batch Number

Choose Option 1 (Change Batch Number) on the *System* Menu to reset the batch number assigned to incoming Trakker files. Although the batch numbers are automatically incremented, if batches have been deleted or the number of batches received has reached the limit of 999, it might be necessary or desirable to reset or specify the next batch number to be used in the receive process. Keying <1> and pressing <Enter> displays the following screen.

```
GTE EQUIPMENT TRACKING SYSTEM - System Maintenance Update Batch ID

Instructions: Enter next Batch ID to be assigned.

Next Batch ID: █

Esc=Cancel  Ctrl-W=Accept
```

3. Laptop Tracking Program, continued

3.9.1 Change Batch Number, continued

Key the number the next batch will be assigned, then press **<Ctrl+W>**.

NOTE: Do not assign a duplicate batch number. Although this will not affect the data, the Batch ID might be the only field that is unique between Trakker batches.

Be aware that even if a garbled transmission does occur and the resulting batch is deleted, it is not strictly necessary to reset the batch number. This is up to individual operator preference.

Press **<Esc>** to return to the *System Menu*

3.9.2 Reorganize Files

Option 2 (Reorganize Files) on the *System Menu* is used to maximize the efficiency of the database. Selecting this option displays the following screen.

```
GTE EQUIPMENT TRACKING SYSTEM - System Maintenance Reorganize file

Instructions: To recover space from prior file deletions confirm
reorganize procedure.

Begin Reorganization? (Y/N) █
```

This process packs the database and rebuilds the indexes. This allows the database to work more efficiently and conserves disk space.

Type **<Y>** and press **<Enter>** to begin this process. Press **<Esc>** to return to the *System Menu*.

3. Laptop Tracking Program, continued

3.9.3 Import Files

Select Option 3 (Import Files) on the *System Menu* to import a previously exported file back into the database. The following screen displays.

```
GTE EQUIPMENT TRACKING SYSTEM - Import Data

Instructions: To import records from a file,
please type the file name.

File Name: ██████████

Esc=Cancel  Ctrl-W=Accept
```

Enter the name of the file to be imported and press **<Ctrl+W>**. Confirmation to begin the process is required.

Press **<Esc>** to return to the *System Menu*.

NOTE: The file to be imported must be in the `\trak6\export` subdirectory. It is recommended that the database be reorganized after importing a data file.

3. Laptop Tracking Program, continued

3.9.4 Archive Data

Option 4 (Archive Data) on the System Menu archives or restores the database. A compressed version of the database is copied to the \trak6\archive subdirectory on the hard disk. Perform this activity on a regular basis (perhaps every two hours during heavy use) to ensure that recovery is possible in the event of data file corruption.

NOTE: This does not protect against hard drive failure, only database corruption. To protect against hard drive failure, first perform an archive, then copy the archived file to a floppy drive or tape, if available.

The following menu allows selection of archiving (backup) and restoration of the database.

GTE EQUIPMENT TRACKING SYSTEM - Database Archiving Menu

Instructions: Select function from menu.
Instructions: Reorganize indexes after a restoration!

1. Archive Entire Database
2. Restore from Last Archive
3. Exit

Select: █

3. Laptop Tracking Program, continued

3.9.5 Printer Setup

Option 5 (Printer Setup) on the System Menu allows the selection of laser or dot matrix printer setup strings to be sent to the attached printer (when a report is sent). Make the appropriate selection before printing for the first time after each fresh start of the program. This includes both reports and validation. The following screen shows the Printer Selection Menu.

```
GTE EQUIPMENT TRACKING SYSTEM - Printer Selection Menu

Instructions:  Select Printer from list.

1. Dot Matrix
2. LaserJet
3. Exit

select: █
```

4. Installation

4.1 Installation

Perform the Laptop Tracking Program installation automatically via an installation batch file by typing **a:install** at the c:\ prompt and press **<Enter>**. The program files are installed.

The installation script creates the following directories on the c: drive:

- trak6
- trak6\export
- trak6\archive

Please read install.doc on the installation floppy disk for instructions regarding possible additions to autoexec.bat and config.sys.

The installation script **will not** automatically change those files.

Exhibits

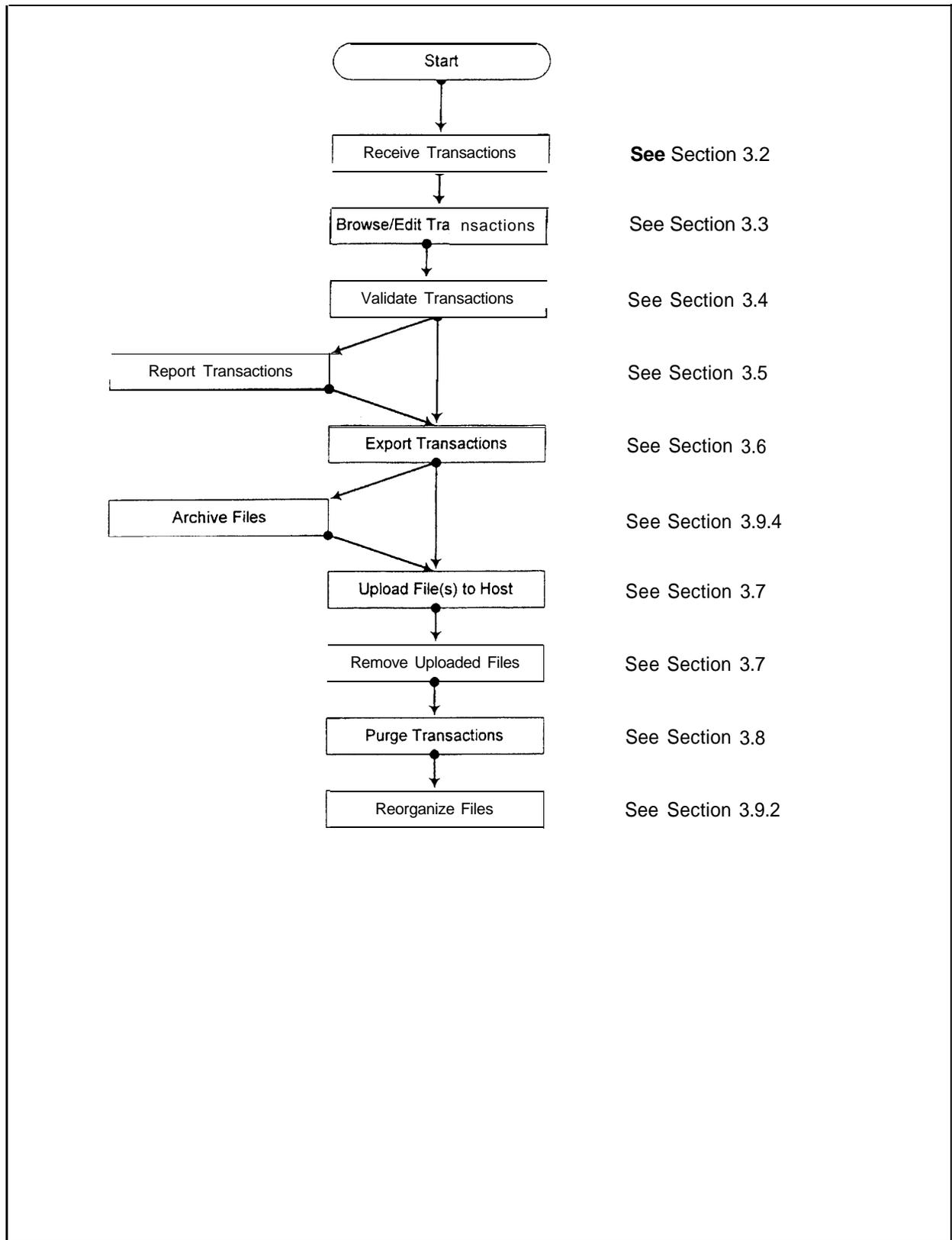


Exhibit 1 - Bar Code Ongoing Tracking Laptop PC Process Flow

Exhibits, continued

The following chart lists the transaction types that might be created with the Trakker program. The single digit transaction code is used by COEP/COEMOD during processing to determine how to apply the information in the transaction to the appropriate record in the COEP database.

Transaction Code	Description of Transaction
A	Whole office Audit
C	Change bar code serial number
C	change part number and/or issue
E	End work order
G	Gross work order addition
I	Swap In
M	Move (internal)
O	Swap Out
R	Back from Repair
S	Whole bay audit
s	spot Audit
T	Transfer
X	Retirement
Z	To Repair

Exhibit 2 - Transaction Type List